

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier listings and all earlier versions.

1. (Original) Method of transcoding digital data coded according to a first coding mode into digital data coded according to a second coding mode,

characterized in that it includes the steps of:

- detecting (E1, E21, E42) the inactivity of resources useful for the transcoding,
- transcoding (E4, E25, E44) the digital data coded according to the first coding mode into the digital data coded according to the second coding mode, when the inactivity is detected.

2. (Original) Method according to Claim 1, characterized in that it also comprises the steps of:

- detecting (E6, E21) a request demanding data coded according to the first coding mode,
- verifying (E7, E28) that the data demanded are coded according to the second coding mode,
- transcoding (E8, E32) the data coded according to the second coding mode into data coded according to the first coding mode, if the response at the verification step is positive.

3. (Original) Method according to Claim 1 or 2, characterized in that it also comprises the step of:

- selecting (E3, E24) an order of transcoding of the digital data coded according to the first coding mode into the digital data coded according to the second coding mode.

4. (Original) Method according to Claim 3, characterized in that the transcoding order is determined according to the size of the files containing the data to be transcoded.

5. (Original) Method according to Claim 3, characterized in that the transcoding order is determined according to the frequency of requesting the files containing the data to be transcoded.

6. (Currently Amended) Transcoding method according to ~~any one of Claims 1 to 5~~ Claims 1 or 2, characterized in that the first coding mode is a coding according to the JPEG standard.

7. (Currently Amended) Transcoding method according to ~~any one of Claims 1 to 5~~ Claims 1 or 2, characterized in that the first coding mode is a coding according to the JPEG2000 standard.

8. (Currently Amended) Transcoding method according to ~~any one of Claims 1 to 7~~ Claims 1 or 2, characterized in that the second coding mode is a coding according to which the data are coded by an amplitude curve and a path amongst the data.

9. (Currently Amended) Transcoding method according to ~~any one of Claims 1 to 8~~ Claims 1 or 2, characterized in that the data are a digital image.

10. (Original) Device for transcoding digital data coded according to a first coding mode into digital data coded according to a second coding mode,

characterized in that it comprises:

- means (21) of detecting the inactivity of resources useful for the transcoding,

- means (26) of transcoding the digital data coded according to the first coding mode into the digital data coded according to the second coding mode, when the inactivity is detected.

11. (Original) Device according to Claim 10, characterized in that it also comprises:

- means (21) of detecting a request demanding data coded according to the first coding mode,

- means (21) of verifying that the data demanded are coded according to the second coding mode,

- means (27) of transcoding the data coded according to the second coding mode into data coded according to the first coding mode, if the response at the verification step is positive.

12. (Original) Device according to Claim 10 or 11, characterized in that it also comprises:

- means of selecting an order of transcoding of the digital data coded according to the first coding mode into the digital data coded according to the second coding mode.

13. (Original) Device according to Claim 12, characterized in that it is adapted to determine the transcoding order according to the size of the files containing the data to be transcoded.

14. (Original) Device according to Claim 12, characterized in that it is adapted to determine the transcoding order according to the frequency of requesting the files containing the data to be transcoded.

15. (Currently Amended) Transcoding device according to ~~any one of Claims 10 to 14~~ Claims 10 or 11, characterized in that it is adapted to implement a first coding mode, which is a coding according to the JPEG standard.

16. (Currently Amended) Transcoding device according to ~~any one of Claims 10 to 14~~ Claims 10 or 11, characterized in that it is adapted to implement a first coding mode, which is a coding according to the JPEG2000 standard.

17. (Currently Amended) Transcoding device according to ~~any one of Claims 10 to 16~~ Claims 10 or 11, characterized in that it is adapted to implement a second coding mode, which is a coding according to which the data are coded by an amplitude curve and a path amongst the data.

18. (Currently Amended) Transcoding device according to ~~any one of Claims 10 to 17~~ Claims 10 or 11, characterized in that it is adapted to process data which are a digital image.

19. (Currently Amended) Transcoding device according to ~~any one of Claims 10 to 18~~ Claims 10 or 11, characterized in that the detection and transcoding means are incorporated in:

- a microprocessor (100),
- a read only memory (102) containing a program for processing the data, and
- a random access memory (103) containing registers adapted to record variables modified during the execution of said program.

20. (Currently Amended) Digital data processing apparatus (10), characterized in that it has means adapted to implement the method according to ~~any one of Claims 1 to 9~~ Claims 1 or 2.

21. (Currently Amended) Digital data processing apparatus (10), characterized in that it comprises the device according to ~~any one of Claims 10 to 19~~ Claims 10 or 11.

22. (Currently Amended) Digital data processing apparatus (10) according to ~~Claims 20 or 22~~ Claim 20, characterized in that it forms part of a peer-to-peer network.

23. (Currently Amended) Digital photographic apparatus (20), characterized in that it comprises means adapted to implement the method according to ~~any one of Claims 1 to 9~~ Claims 1 or 2.

24. (Currently Amended) Digital photographic apparatus (20), characterized in that it comprises the device according to ~~any one of Claims 10 to 19~~ Claims 10 or 11.

25. (Currently Amended) Storage medium storing a program for implementing the method according to ~~any one of Claims 1 to 9~~ Claims 1 or 2.

26. (Currently Amended) Storage medium according to claim 25, characterised in that said storage medium is detachably mountable on a device according to ~~any one of Claims 10 to 19~~ Claims 10 or 11.

27. (Currently Amended) Storage medium according to ~~claim 25 or 26~~ Claim 25, characterised in that said storage medium is a floppy disk or a CD-ROM.

28. (Original) A computer program on an information carrier, characterized in that it comprises program instructions adapted to implement the method according to Claim 1, when this program is loaded and executed in a computer system.